

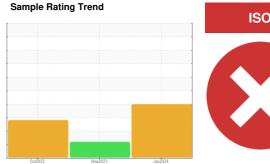
OIL ANALYSIS REPORT



Rear Load **REL202398**

Component **Hydraulic System**

AW HYDRAULIC OIL ISO 32



DIAGNOSIS

Recommendation

Check seals and/or filters for points of contaminant entry. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend you service the filters on this component. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

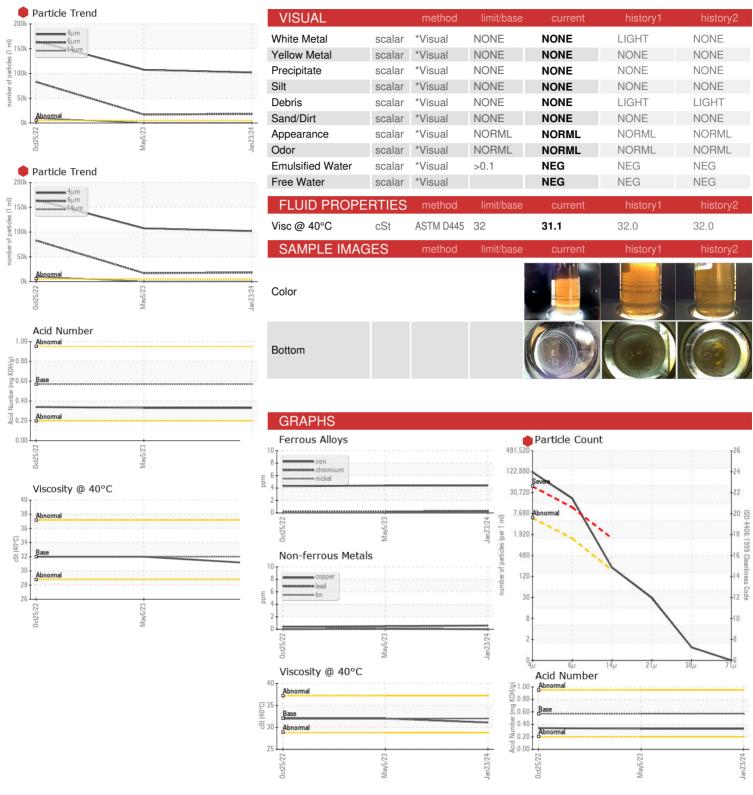
Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SO 32 (GAL)		00	2022	May2023 Jan20	24	
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0109909	PCA0090447	PCA0078036
Sample Date		Client Info		23 Jan 2024	05 May 2023	25 Oct 2022
Machine Age	hrs	Client Info		7879	0	0
Oil Age	hrs	Client Info		7879	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METAL	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4	4	4
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>5	3	3	4
Lead	ppm	ASTM D5185m	>4	0	<1	0
Copper	ppm	ASTM D5185m	>15	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	<1	2	3
Barium	ppm	ASTM D5185m	5	0	2	0
Molybdenum	ppm	ASTM D5185m	5	<1	1	1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	25	9	10	8
Calcium	ppm	ASTM D5185m	200	95	96	95
Phosphorus	ppm	ASTM D5185m	300	313	321	325
Zinc	ppm	ASTM D5185m	370	434	437	431
Sulfur	ppm	ASTM D5185m	2500	995	1014	1079
CONTAMINAN	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	1	2	3
Sodium	ppm	ASTM D5185m		2	6	1
Potassium	ppm	ASTM D5185m	>20	1	1	1
FLUID CLEAN	LINESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	101995	▲ 107333	<u>▲</u> 165112
Particles >6µm		ASTM D7647	>1300	18103	<u>▲</u> 17017	<u>▲</u> 82901
Particles >14μm		ASTM D7647	>160	190	82	<u>\$\text{\$\text{\$}}\$ 9582</u>
Particles >21µm		ASTM D7647	>40	26	12	<u>4</u> 2487
Particles >38μm		ASTM D7647	>10	1	0	▲ 372
Particles >71µm		ASTM D7647	>3	0	0	<u>▲</u> 31
Oil Cleanliness		ISO 4406 (c)	>19/17/14	24/21/15	<u>4</u> 24/21/14	<u>\$\times\$ 25/24/20</u>
FLUID DEGRA	DATION		limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.33	0.33	0.34



OIL ANALYSIS REPORT





Certificate L2367

Laboratory Sample No. Lab Number

Unique Number

: 06071585 : 10848262 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0109909

: 26 Jan 2024 Recieved Diagnosed Diagnostician

: 29 Jan 2024 : Wes Davis

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

UMM - Shop 401 - Norton

186 South Washington Street Norton, MA

US 02766

Contact: Dave Wilson Jr. Dwilson1@win-waste.com

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F: